ALS 40 11.1 Van Wash

May 11’

SITUATION

For the past two years the Mobile Facilities have withstood the dust, sand, and general harsh weather conditions of Afghanistan. The thick layer of dust and dirt hid the corrosion, allowing it to deteriorate the surface metal unchecked, and rendered an unsightly outward appearance.

MISSION

To maintain and preserve the structural integrity of the 224 Mobile Facilities that comprise the OEF Marine Aviation Logistics repair complexes.

OBJECTIVES

- To establish simple procedures to allow for the easy continuation of this requirement.

- To set a precedence for future deployed operations on the achievability of this requirement.

- To best ensure that when these mobile facilities are eventually returned to their parent commands they are returned in the best condition possible.

EXECUTION

-10-15 Marine working party for the main compound. This working party was responsible for the manual labor of scrubbing of vans and CC treatment of the cleaned.

-One (1) 990 Marine was the overall wash director.

-Two (2) 990 Marines drove the Humvee with the hydro blaster and were responsible for refilling the fuel and water as necessary.

-One (1) 990 Marine sprayed the MF and one (1) Marine kept slack on the hose and made sure it

-Five (5) working party Marines scrubbed/washed the tops and sides of the van.

A ¾ inch slab of hardened mud had formed on the top of every MF. It had to be chipped and broken up so it could be

-The scrubbing and cleaning crew moved from van to van closely followed by the five (5) corrosion control treatment and prevention Marines.

-It was an amazing team effort and once everyone was comfortable with the process the evolution went smoothly.

ADMINISTRATION and LOGISTICS

- The Hydro Blaster is SE equipment and therefore requires a license to operate. The work center 990 Marines received training from GSE on the operation of the Hydro Blaster power washer and completed the licensing requirements prior to use. A Hydro Blaster has been procured from GSE on an extended temp loan basis.

- Received full support from the Department heads and their Chiefs. Used a 10-12 Marine working party for the main compound. This working party was responsible for the manual labor of scrubbing the vans and CC treatment of the van after it was cleaned.

-The remaining compounds (GSE, Ordnance, and the Kandahar Det) were completed separately…with the same guidance from 990.

-990 provided training on proper CC techniques, to included the application of rust inhibitor, and 8802 (RTV) to the working party

ADMINISTRATION and LOGISTICS cont.

- S-4 coordinated with MWSS-272 to fill the six-con water container and hydro blaster.

- There were three water deliveries total (including the initial fill up) which was enough to wash the main compound, ORD, and GSE.

- Roughly 4000 gallons of water was used during this evolution.

Materials Required

Simple Green
-A/C cleaning kits
-Small wire brushes taped together
-rust inhibitor
-8802
-Acid brushes
-Cranial and hard hats
-Water source, MWSS
-Fuel, 990 had a 55 gal drum that they used to refill the hydro blaster

Results

NMAU 006621 4
NMAU 008317 1
NMAU 008317 1
PPC 947
PANEL NO. 1
MAX GROSS
TARE
PAYLOAD
CUBE

PAU747
NMAU 007934 0

FRAGILE INSTRUMENTS
HANDLE WITH CARE
GSS 462
NMAU 011936 1
T
MALS 40
CO

COMMAND AND SIGNAL

-Each mobile facility should be washed every 91 days according to the 91 Day Preventive Maintenance MRC. Due to effort required to coordinate the necessary supporting equipment each complex as a whole will be washed every 91 days.

-Estimate two days, 8-12 hours each day, to complete the main MF complex on Bastion. Estimate one day each, 3-4 hours each day, to complete the GSE and Ordnance complexes on Bastion. Estimate two days, 5-6 hours each day, for the Kandahar MF complexes (main and Ord).

-The MALS Avionics Officer is overall responsible for ensuring that the wash occurs and that it is a productive and safe evolution.

Questions?